



SEP4™ MULTIFUNCTION (4-IN-1) SEPARATOR

CALEFFI
Hydronic Solutions



PRODUCT FEATURES

- **Four functions combined into one device:**
Minimizes cost for systems requiring primary/secondary piping. Installing separate air and dirt separators not required.
- **Unique geometry and design:**
Prevents pump conflict by hydraulically decoupling primary and secondary circuits. Preserves design flow in all circuits.
- **Internal upper and lower mesh element:**
Causes micro-bubbles to collect and coalesce for efficient air separation. Deflects and collects both ferrous and non-ferrous debris down to 5 microns size.
- **Powerful neodymium rare-earth magnet:**
Attracts ferrous impurities with 2 ½ times the removal performance of a standard dirt separator.
- **Anti-rotation/anti-vibration pinned float:**
Creates space between float and air vent wall to prevent float hang-up from debris formation. Enables needle valve to reliably vent out collected air.
- **Convenient mounting bracket included:**
Heavy duty wall-mount bracket simplifies installation and pipe connection alignment.

High performance multi-function separation

The SEP4™ saves on system installation and maintenance costs with four high performance functions combined into one device: hydraulic separation, automatic micro-bubble coalescing air separation, dirt separation and magnetic separation. Includes thermowell tap, pre-formed insulation jacket and easy-to-use drain valve. Constructed of corrosion-resistant functional parts for a long, trouble-free operating life.

PRODUCT RANGE - SEP4™ Multifunction (4-IN-1) Separator



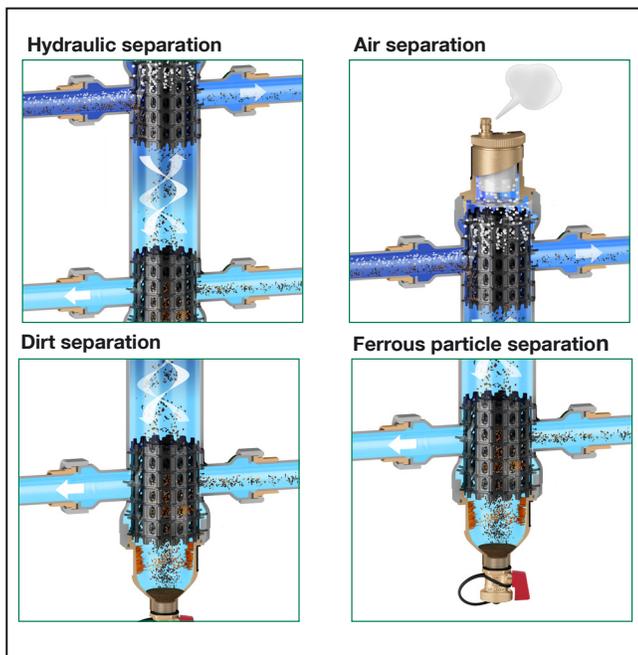
SIZES	FLOW RATE: (GPM)	CODE		
		NPT	SWEAT	PRESS
1"	11	549506A	549596A	549566A
1¼"	18	549507A	549597A	549567A
1½"	26	549508A	549598A	549568A
2"	37	549509A	549599A	549569A

All models include pre-formed insulation shell and ½" NPT thermowell connections.

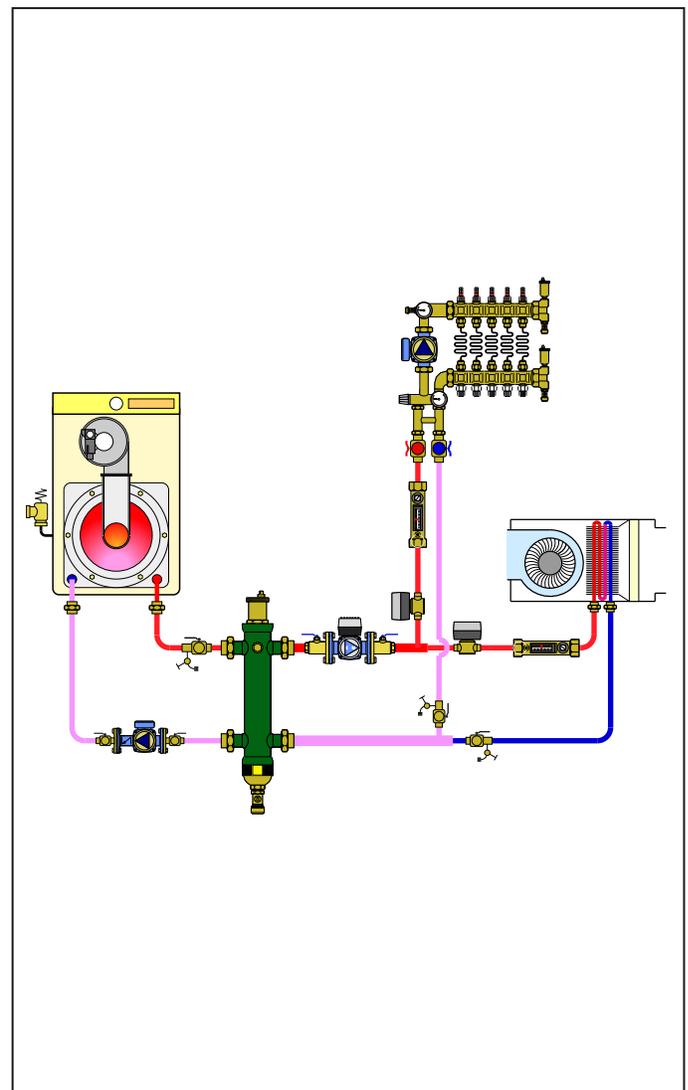
PERFORMANCE

MAX. WORKING PRESSURE	150 psi (10 bar)
WORKING TEMPERATURE RANGE	32 – 210°F (0-120°C)
MAX. PERCENTAGE OF GLYCOL	50%
AIR SEPARATION EFFICIENCY	up to 100%
PARTICLE SEPARATION CAPACITY	down to 5 microns
FERROUS IMPURITIES REMOVAL EFFICIENCY	up to 100%

CONSTRUCTION



APPLICATION DIAGRAM



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Caleffi Partner:

WE RESERVE THE RIGHT TO CHANGE OUR PRODUCTS AND THEIR RELEVANT TECHNICAL DATA, CONTAINED IN THIS PUBLICATION, AT ANY TIME AND WITHOUT PRIOR NOTICE.



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